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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/960,172	09/21/2001	Chun-Hsiang Chiang	A1-082 US	4260

23683 7590 11/05/2002

MOLEX INCORPORATED  
2222 WELLINGTON COURT  
LISLE, IL 60532

EXAMINER

LEON, EDWIN A

ART UNIT PAPER NUMBER

2833

DATE MAILED: 11/05/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/960,172

Applicant(s)

CHIANG, CHUN-HSIANG

Examiner

Edwin A. León

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-- Th MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 03 August 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☒ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other:

## **DETAILED ACTION**

### ***Response to Amendment***

1. Applicant's amendment filed August 3, 2002 in which new Claim 21 has been added, has been placed of record in the file as Paper No. 5.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in–

(1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effect under this subsection of a national application published under section 122(b) only if the international application designating the United States was published under Article 21(2)(a) of such treaty in the English language; or  
(2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that a patent shall not be deemed filed in the United States for the purposes of this subsection based on the filing of an international application filed under the treaty defined in section 351(a).

3. Claims 1-21 are rejected under 35 U.S.C. 102(e) as being anticipated by Yang (U.S. Patent No. 6,039,611). With regard to Claims 1 and 21, Yang discloses an electrical connector for use with an electrical cable (7) having a plurality of wires (71), the electrical connector comprising: a connector body (1), the connector body (1) comprising a cavity (between 12) within the connector body (1), a plurality of terminal passageways (where 11 is disposed), and a plurality of terminals (11) respectively

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received within the terminal passageways (where 11 is disposed), the terminals (11) each having a tail (Fig. 3) extended out of one end of the connector body (1); and a wire management member (2,3), the wire management member (2,3) including a body portion (2) adapted to support the tail (Fig. 3) of each of the terminals (11) and at least one wire groove (21) for receiving one of the plurality of wires (71), the wire management member (2,3) comprising a projection rod (22) projecting from an end face of the body portion (2), the projection rod (22) being received within the connector body cavity (between 12). See Figs. 3-6.

With regard to Claim 2, Yang discloses the wire management member body portion (2) including a plurality of terminal grooves (21), the terminal grooves (21) being adapted to receive the tail (Fig. 3) of each of the terminals (11). See Figs. 3-6.

With regard to Claim 3, Yang discloses the wire management member body portion (2) including a plurality of wire grooves (21), the wire grooves (21) adapted to receive the wires (71) of the cable for enabling the wires (71) of the cable (7) to be respectively electrically soldered to the tail (Fig. 3) of each of the terminals (11). See Figs. 3-6.

With regard to Claim 4, Yang discloses the cavity (between 12) is contiguous with one of the plurality of terminal passageways (where 11 is disposed). See Figs. 3-6.

With regard to Claim 5, Yang discloses the wire management member (2,3) comprising a plurality of ribs (23) respectively disposed between two adjacent terminal grooves (21) above the elevation of the tail (Fig. 3) of the terminals (11). See Figs. 3-6.

With regard to Claim 6, Yang discloses the wire management member body portion (2) comprising a plurality of platforms (23), at least one of the platforms (23) comprising a plurality of terminal grooves (21) adapted to receive the tail (Fig. 3) of each of the terminals (11). See Figs. 3-6.

With regard to Claim 7, Yang discloses at least one of the platforms (23) comprising a plurality of wire grooves (21) adapted to receive the wires (71) of the cable (7). See Figs. 3-6.

With regard to Claim 8, Yang discloses at least one of the platforms (23) including a plurality of ribs (23) respectively disposed between two adjacent terminal grooves (21) above the elevation of the tail (Fig. 3) of the terminals (11). See Figs. 3-6.

With regard to Claim 9, Yang discloses a cable assembly, the assembly comprising: a connector body (1), the connector body (1) comprising a cavity (between 12), a plurality of terminal slots (where 11 is disposed), and a plurality of terminals (11) respectively mounted in the terminal slots (where 11 is disposed), the terminals (11) each having a tail (Fig. 3) extended out of a rear side of the connector body (1); a cable (7), the cable (7) comprising a plurality of wires (71) respectively electrically soldered to the tail (Fig. 3) of each of the terminals (11); and a wire management member (2,3), the wire management member (2,3) adapted to support the tail (Fig. 3) of each of the terminals (11), the wire management member (2,3) comprising a projection rod (22) projecting from an end face of the wire management member (2,3), the projection rod (22) being received within the connector body cavity (between 12). See Figs. 3-6.

With regard to Claim 10, Yang discloses the wire management member (2,3) including a plurality of terminal grooves (21), the terminal grooves (21) being adapted to receive the tail (Fig. 3) of each of the terminals (11), and wherein a plurality of ribs (25) are respectively disposed between two adjacent terminal grooves (21) above the elevation of the tail (Fig. 3) of the terminals (11). See Figs. 3-6.

With regard to Claim 11, Yang discloses the wire management member (2,3) including a plurality of wire grooves (21), the wire grooves (21) adapted to receive the wires (71) of the cable (7) for enabling the wires (71) of the cable (7) to be respectively electrically soldered to the tail (Fig. 3) of each of the terminals (11). See Figs. 3-6.

With regard to Claim 12, Yang discloses the wire management member (2,3) body portion (2) comprising a plurality of platforms (23), each of the platforms (23) comprising a plurality of terminal grooves (21) adapted to receive the tail (Fig. 3) of each of the terminals (11). See Figs. 3-6.

With regard to Claim 13, Yang discloses at least one of the platforms (23) comprising a plurality of wire grooves (21) adapted to receive the wires (71) of the cable (7). See Figs. 3-6.

With regard to Claim 14, Yang discloses at least one of the platforms (23) including a plurality of ribs (23) respectively disposed between two adjacent terminal grooves (21) above the elevation of the tail (Fig. 3) of the terminals (11). See Figs. 3-6.

With regard to Claim 15, Yang discloses a wire management member (2,3) for use with an electrical connector having a connector body (1), the connector body (1) comprising a cavity (between 12), a plurality of terminal slots (where 11 is disposed),

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and a plurality of terminals (11) respectively mounted in the terminal slots (where 11 is disposed), the terminals (11) each having a tail (Fig. 3) extended out of a rear side of the connector body (1), the wire management member (2,3) comprising: a body portion (2), the body portion (2) including a plurality of terminal grooves (21), the terminal grooves (21) being adapted to receive the tail (Fig. 3) of each of the terminals (11); and a projection rod (22), the projection rod (22) projecting from an end of the body portion (2), the projection rod (22) being adapted to be received within the connector body cavity (between 12). See Figs. 3-6.

With regard to Claim 16, Yang discloses the wire management member (2,3) body portion (2) including a plurality of terminal grooves (21), the terminal grooves (21) being adapted to receive the tail (Fig. 3) of each of the terminals (11). See Figs. 3-6.

With regard to Claim 17, Yang discloses the wire management member (2,3) body portion (2) includes a plurality of wire grooves (21), the wire grooves (21) adapted to receive the wires (71) of the cable (7) for enabling the wires (71) of the cable (7) to be respectively electrically soldered to the tail (Fig. 3) of each of the terminals (11). See Figs. 3-6.

With regard to Claim 18, Yang discloses the wire management member (2,3) comprising a plurality of ribs (23) respectively disposed between two adjacent terminal grooves (21) above the elevation of the tail (Fig. 3) of the terminals (11). See Figs. 3-6.

With regard to Claim 19, Yang discloses the wire management member (2,3) body portion (2) comprising a plurality of platforms (23), at least one of the platforms



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(23) comprising a plurality of terminal grooves (21) adapted to receive the tail (Fig. 3) of each of the terminals (11). See Figs. 3-6.

With regard to Claim 20, Yang discloses at least one of the platforms (23) comprising a plurality of wire grooves (21) adapted to receive the wires (71) of the cable. See Figs. 3-6.

### ***Response to Arguments***

4. Applicant's arguments with respect to claims 1-21 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (703) 308-6253. The examiner can normally be reached on Monday - Friday 9:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (703) 308-2319. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7724 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



**THO D. TA**  
**PRIMARY EXAMINER**

Edwin A. Leon  
AU 2833

EAL  
October 31, 2002